## Appendix B Meteorological Data

This section contains meteorological data derived from various regulatory and non-regulatory sites. The data provides a comparative analysis of winds speed, wind direction, wind gusts and concentration data. Please note that meteorological instruments measure at different heights, and at different time intervals. By taking, the actual time of measurement and assuring that all data represented is in Pacific Standard Time (PST) there is uniformity of the data. In addition, not all stations measure at the exact same time, i.e. measurements at 053 and 056 therefore, comparisons are measurements within a 60-minute period. While there may be some overlapping and slight differences the comparative analysis provides the reader with a better understanding of the regional effect of the Exceptional Event.

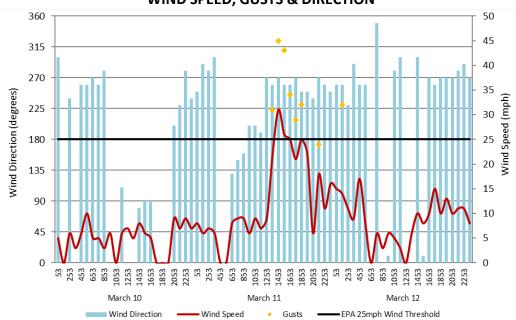


FIGURE B-1
POTENTIAL METEOROLOGICAL SITES USED IN EXCEPTIONAL EVENT DOCUMENTS

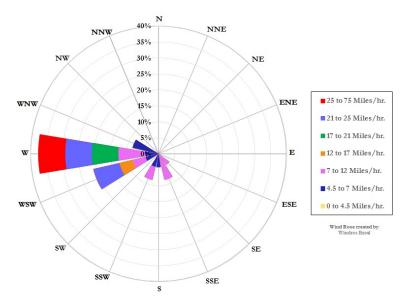
**Fig B-1:** Depicts all the sites from which the ICAPCD may access meteorological data. Base map and larger locator map from Google Earth

### IMPERIAL COUNTY SITES B-2 THROUGH B-9

# FIGURE B-2 IMPERIAL COUNTY AIRPORT (KIPL) WIND SPEED, GUSTS & DIRECTION

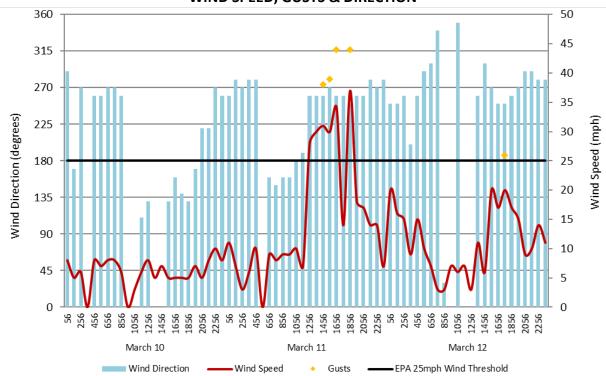


### FIGURE B-3 KIPL WIND ROSE

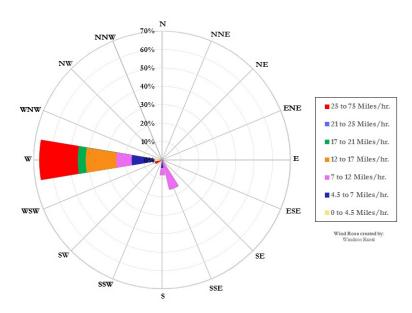


Figs B-2 & B-3: Imperial Airport (KIPL) meteorological data shows that both winds and gusts exceeded the 25 mph wind threshold. Data from the NCEI's QCLCD system

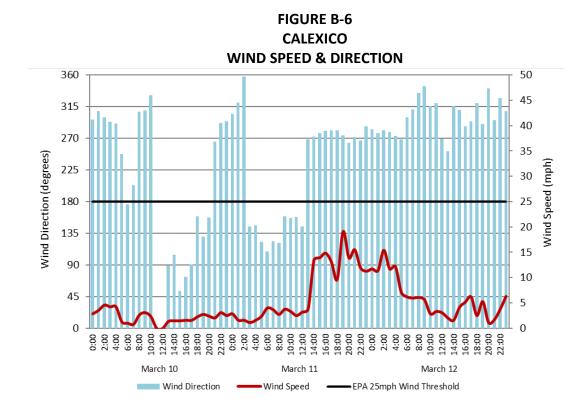
# FIGURE B-4 EL CENTRO NAF (KNJK) WIND SPEED, GUSTS & DIRECTION

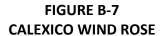


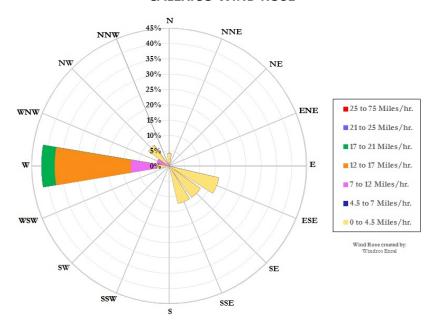
### FIGURE B-5 KNJK WIND ROSE



**Figs B-4 & B-5:** El Centro NAF (KNJK) meteorological data shows that both winds and gusts exceeded the 25 mph wind threshold. Data from the NCEI's QCLCD system

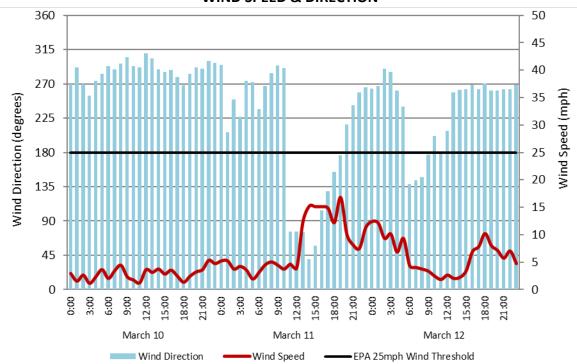




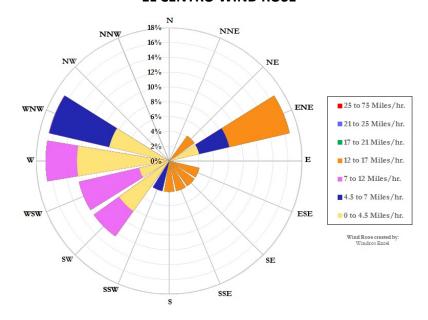


Figs B-6 & B-7: Although winds did not exceed the 25 mph wind threshold at Calexico, although it still had elevated concentrations. Data from the EPA's AQS system



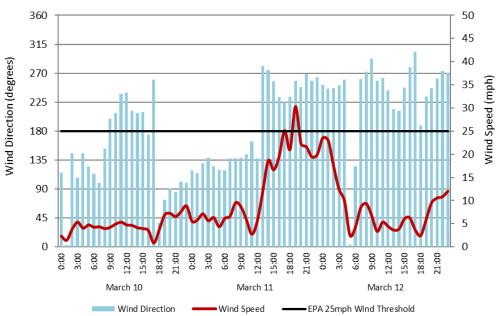


## FIGURE B-9 EL CENTRO WIND ROSE

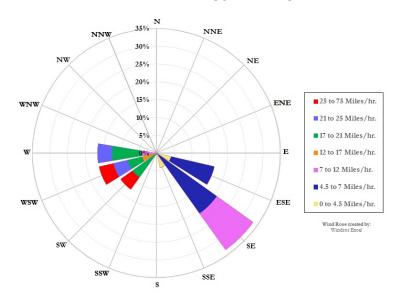


**Figs B-8 & B-9:** Winds did not exceed the 25 mph wind threshold at El Centro, which helps account for its lack of exceedance. Data from the EPA's AQS system





### FIGURE B-11 NILAND WIND ROSE – MARCH 11



**Figs B-10 & B-11:** Winds exceeded the 25 mph wind threshold at Niland, although it narrowly avoided an exceedance. Data from the EPA's AQS system

### FIGURE B-12 WESTMORLAND WIND SPEED & DIRECTION

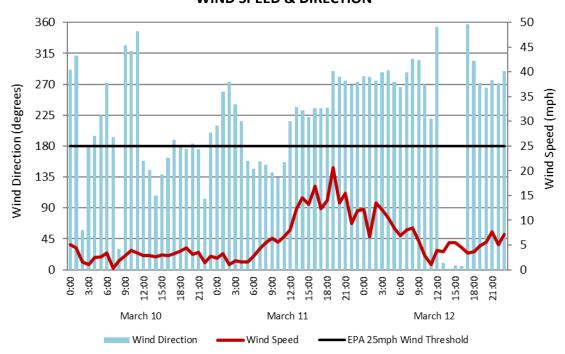
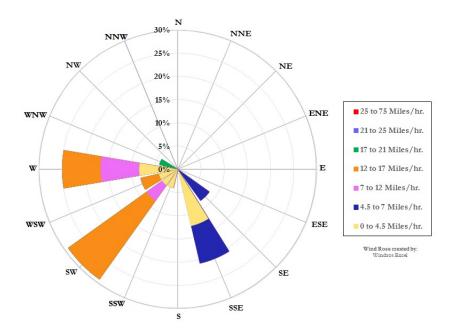


FIGURE B-13
WESTMORLAND WIND ROSE – MARCH 11

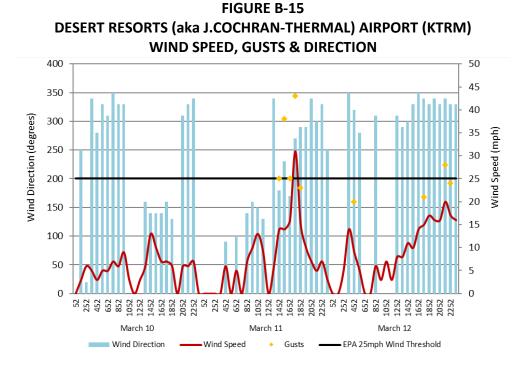


**Figs B-12 & B-13:** Winds did not exceed the 25 mph wind threshold at Westmorland. However, winds were much higher at upstream sites and transported dust downstream. Data from the EPA's AQS system

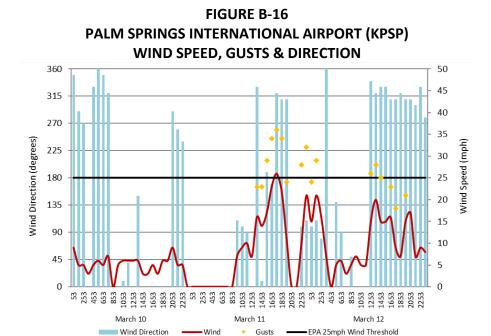
#### EASTERN RIVERSIDE COUNTY AIRPORTS

#### FIGURE B-14 **BLYTHE AIRPORT (KBLH)** WIND SPEED, GUSTS & DIRECTION 360 50 45 315 Wind Direction (degrees) 40 270 35 (mph) 30 25 Mind Speed (mph) 225 180 135 15 90 10 45 352 652 952 March 11 EPA 25mph Wind Threshold Wind Direction Wind Speed Wind Gusts

**Fig B-14:** Winds and gusts exceeded the 25 mph wind threshold at KBLH, which supports the regional nature of the event. Data from the NCEI's QCLCD system

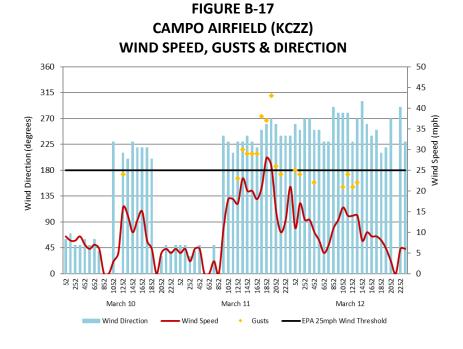


**Fig B-15:** Winds and gusts exceeded the 25 mph wind threshold at KTRM, which supports the regional nature of the event. Data from the NCEI's QCLCD system



**Fig B-16:** Winds and gusts exceeded the 25 mph wind threshold at KPSP, which supports the regional nature of the event. Data from the NCEI's QCLCD system

#### **SOUTHEASTERN SAN DIEGO COUNTY**



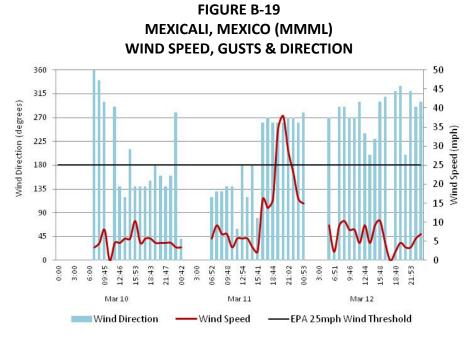
**Fig B-17:** Winds and gusts exceeded the 25 mph wind threshold at KPSP, which supports the regional nature of the event. Data from the NCEI's QCLCD system

#### **SOUTHWESTERN ARIZONA**

#### FIGURE B-18 YUMA, ARIZONA MCAS (KNYL) WIND SPEED, GUSTS & DIRECTION 360 50 45 315 40 270 Wind Direction (degrees) 35 Wind Speed (mph) 225 30 180 25 135 15 90 45 March 10 Wind Direction EPA 25mph Wind Threshold

**Fig B-18:** Winds and gusts exceeded the 25 mph wind threshold at KNYL, which supports the regional nature of the event. Data from the NCEI's QCLCD system

#### **MEXICO**



**Fig. B-19:** Winds and gusts exceeded the 25 mph wind threshold at MMML, which supports the regional nature of the event. Data from the University of Utah's MesoWest system.

#### **UPSTREAM SITES**

The following graphs provide evidence of the elevated wind speeds and confirm the prevailing wind direction at different sites outside Imperial and Riverside Counties.

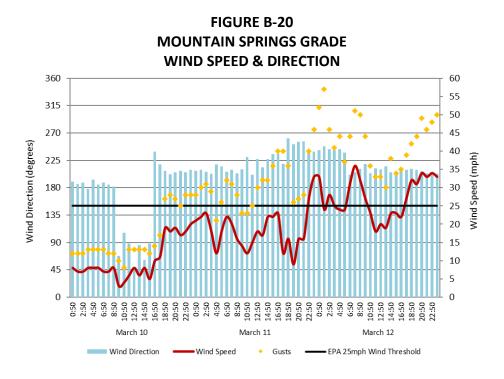
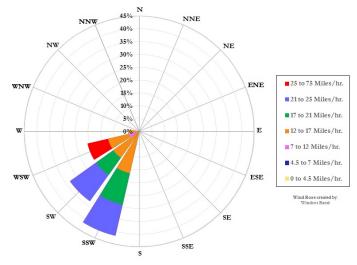
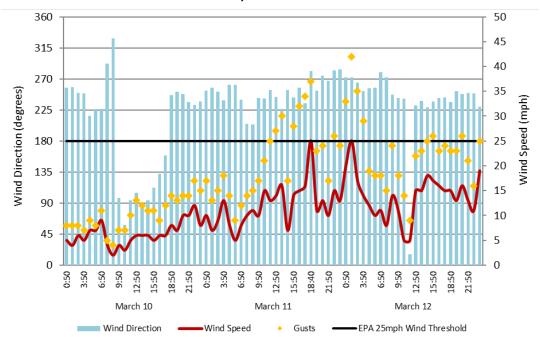


FIGURE B-21
MOUNTAIN SPRINGS GRADE WIND ROSE – MARCH 11

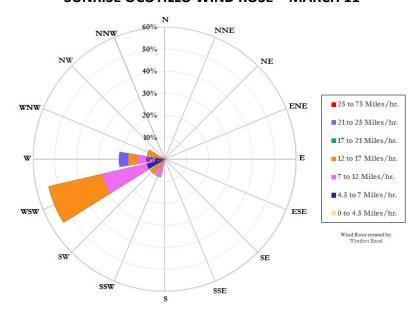


**Figs B-20 & B-21:** Winds and gusts exceeded the 25 mph wind threshold at Mountain Springs Grade (TNSC1) located at 2,044 ft elevation on the desert slopes. Data from the University of Utah's MesoWest

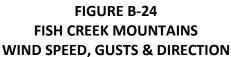
# FIGURE B-22 SUNRISE-OCOTILLO WIND SPEED, GUSTS & DIRECTION



### FIGURE B-23 SUNRISE OCOTILLO WIND ROSE – MARCH 11



**Figs B-22 & B-23:** Winds and gusts exceeded the 25 mph wind threshold (winds at 18:40) at Sunrise-Ocotillo located at 695 ft elevation near the desert floor. Data from the University of Utah's MesoWest



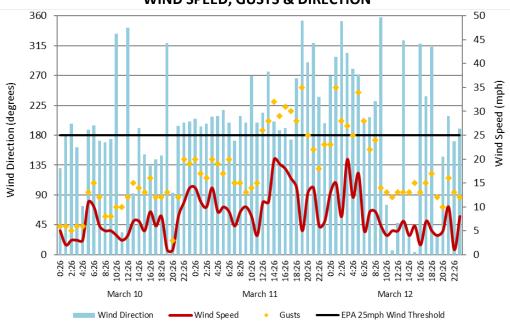
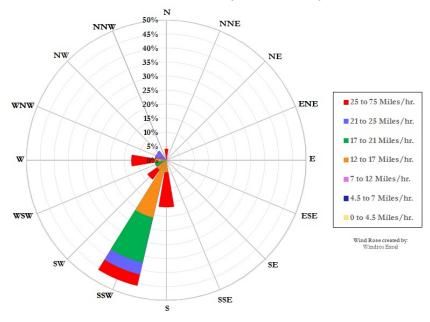


FIGURE B-25
FISH CREEK MTNS. WIND ROSE (GUSTS ONLY) – MARCH 11



**Figs B-24 & B-25:** Winds did not exceed the 25 mph wind threshold, although gusts did. The gusty winds helped transport downstream dust that was suspended in the air. FCM is at Sunrise-Ocotillo located at 781 ft elevation near the desert floor. Wind rose shows gusts only. Data from the University of Utah's MesoWest

### FIGURE B-26 IMPERIAL COUNTY AIRPORT (KIPL) QCLCD DATA

U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data, and Information Service
Elev: -58 ft. Lat: 32.8342° N Lon: -115.5786° W
Station: IMPERIAL CO AIRPORT, CA US WBAN:03144

Local Climatological Data Hourly Observations March 2016 Generated on 05/17/2017 National Centers for Environmental Information 151 Patton Avenue Asheville, North Carolina 28801

D	Time	Sta- tion	Sky	Visi-	Weather Type (see documentation)		Bulb mp		Bulb mp	Dew Te		Rel Hum	Wind Speed	Wind	Wind Gusts	Station Press	Press.	Net 3- Hr	Sea Level	Report Type	Precip Total	Alti- meter
t e	(LST)	Туре	Conditions	bility	AU   AW   MW	(F)	(C)	(F)	(C)	(F)	(C)	%	(MPH)	(Deg)	(MPH)	(inHg)	Tend	Change (inHg)	(inHg)		(in)	Setting (inHg)
11	0053	7	CLR:00	10.00		66	18.9	57	13.9	40	4.4	39	8	250		29.96	7	+0.01	29.91	FM-15	0.00	29.90
11	0153	7	CLR:00	10.00		65	18.3	56	13.4	41	5.0	42	6	290		29.95			29.89	FM-15	0.00	29.89
11	0253	7	CLR:00	10.00		63	17.2	54	12.5	40	4.4	43	7	280		29.93			29.87	FM-15	0.00	29.87
11	0353	7	CLR:00	10.00		64	17.8	55	12.9	40	4.4	41	6	300	7	29.92	6	+0.04	29.86	FM-15	0.00	29.86
11	0453	7	CLR:00	10.00		62	16.7	54	12.0	40	4.4	44	0	000		29.93			29.87	FM-15	0.00	29.87
11	0553	7	CLR:00	10.00		61	16.1	53	11.6	41	5.0	48	0	000		29.94			29.87	FM-15	0.00	29.88
11	0653	7	CLR:00	10.00		63	17.2	54	12.4	39	3.9	41	8	130		29.96	3	-0.04	29.90	FM-15	0.00	29.90
11	0753	7	CLR:00	10.00		68	20.0	59	14.9	41	5.0	38	9	150		29.97			29.91	FM-15	0.00	29.91
11	0853	7	CLR:00	10.00		76	24.4	67	19.4	40	4.4	27	9	160		29.98			29.92	FM-15	0.00	29.92
11	0953	7	CLR:00	10.00		79	26.1	70	21.2	41	5.0	26	6	200		29.98	0	-0.02	29.91	FM-15	0.00	29.92
11	1053	7	CLR:00	10.00		82	27.8	77	24.9	34	1.1	18	9	200		29.96			29.90	FM-15	0.00	29.90
11	1153	7	CLR:00	10.00		83	28.3	78	25.4	35	1.7	18	7	190		29.93			29.87	FM-15	0.00	29.87
11	1253	7	CLR:00	10.00		86	30.0	83	28.5	33	0.6	15	9	270		29.91	8	+0.07	29.84	FM-15	0.00	29.85
11	1353	7	CLR:00	10.00		84	28.9	76	24.7	41	5.0	22	22	260	31	29.89			29.83	FM-15	0.00	29.83
11	1453	7	SCT:04 14	4.00	HZ:7  FU:05  HZ:05	81	27.2	73	22.5	41	5.0	24	31	270	45	29.88			29.82	FM-15	0.00	29.82
11	1500	7	BKN:07 16	4.00	HZ:7  FU:05  HZ:05	81	27.2	73	22.5	41	5.0	24	26	260	43	29.89				FM-16		29.83
11	1519	7	SCT:04 16	10.00		81	27.2	72	22.4	42	5.6	25	23	250	37	29.87				FM-16		29.81
11	1553	7	CLR:00	10.00		79	26.1	70	21.2	41	5.0	26	22	270	26	29.86	8	+0.04	29.80	FM-15	0.00	29.80
11	1653	7	CLR:00	10.00		74	23.3	65	18.1	41	5.0	31	25	260	34	29.88			29.82	FM-15	0.00	29.82
11	1753	7	BKN:07 100	10.00		71	21.7	62	16.4	41	5.0	34	21	270	29	29.90			29.83	FM-15	0.00	29.84
11	1853	7	OVC:08 65	10.00		68	20.0	59	15.0	47	8.3	47	25	250	32	29.95	3	-0.09	29.89	FM-15	0.00	29.89
11	1953	7	SCT:04 80 BKN:07 90	10.00		63	17.2	55	12.5	41	5.0	45	22	250		30.00			29.94	FM-15	0.00	29.94
11	2053	7	CLR:00	10.00		62	16.7	54	12.1	41	5.0	46	6	240		30.02			29.96	FM-15	0.00	29.96
11	2153	7	CLR:00	10.00		60	15.6	52	11.0	38	3.3	44	18	270	24	30.02	0	-0.07	29.96	FM-15	0.00	29.96
11	2253	7	CLR:00	10.00		57	13.9	50	9.8	39	3.9	51	11	260		30.04			29.98	FM-15	0.00	29.98
11	2353	7	CLR:00	10.00	9	58	14.4	50	10.2	38	3.3	48	16	250		30.04			29.98	FM-15	0.00	29.98

## FIGURE B-27 EL CENTRO NAF (KNJK) QCLCD DATA

U.S. Department of Commerce National Oceanic & Atmospheric Administration National Environmental Satellite, Data, and Information Service Elev: -42 ft. Lat: 32.8167° N Lon: -115.6833° W Station: EL CENTRO NAF, CA US WBAN:23199 Local Climatological Data Hourly Observations March 2016 Generated on 05/17/2017 National Centers for Environmental Information 151 Patton Avenue Asheville, North Carolina 28801

D	Time	Sta- tion	Sky	Visi-	Weather Type (see documentation)		Bulb mp		Bulb mp		Point mp	Rel Hum	Wind Speed	Wind Dir	Wind Gusts	Station Press	Press.	Net 3- Hr	Sea Level	Report	Precip Total	Alti- meter
e t	(LST)	Туре	Conditions	bility	AU   AW   MW	(F)	(C)	(F)	(C)	(F)	(C)	%	(MPH)	(Deg)	(MPH)	(inHg)	Tend	Change (inHg)	Press. (inHg)	Type	(in)	Setting (inHg)
11	0056	7	CLR:00	10.00		65	18.3	56	13.4	39	3.9	39	11	260		29.97	8	+0.01	29.98	FM-15	0.00	29.93
11	0156	7	CLR:00	10.00		63	17.2	54	12.4	39	3.9	41	7	280		29.95			29.96	FM-15	0.00	29.91
11	0256	7	CLR:00	10.00		63	17.2	54	12.5	40	4.4	43	3	270		29.94			29.94	FM-15	0.00	29.90
11	0356	7	CLR:00	10.00		59	15.0	51	10.5	34	1.1	39	6	280		29.93	6	+0.04	29.93	FM-15	0.00	29.89
11	0456	7	CLR:00	10.00		61	16.1	53	11.4	34	1.1	36	10	280		29.94			29.94	FM-15	0.00	29.90
11	0556	7	SCT:04 200 BKN:07 280	10.00		63	17.2	54	12.5	34	1.1	34	0	000		29.93			29.94	FM-15	0.00	29.89
11	0656	7	SCT:04 200 BKN:07 280	10.00		60	15.6	52	11.1	40	4.4	47	9	160		29.96	3	-0.03	29.96	FM-15	0.00	29.92
11	0756	7	SCT:04 200 BKN:07 280	10.00		65	18.3	57	13.7	46	7.8	51	8	150		29.97			29.98	FM-15	0.00	29.93
11	0856	7	SCT:04 200 BKN:07 280	10.00		72	22.2	62	16.8	46	7.8	40	9	160		29.98			29.98	FM-15	0.00	29.94
11	0956	7	SCT:04 200 BKN:07 280	10.00		78	25.6	70	21.0	38	3.3	24	9	160		29.97	0	-0.01	29.98	FM-15	0.00	29.93
11	1056	7	SCT:04 200 BKN:07 280	10.00		82	27.8	78	25.4	32	0.0	16	10	180		29.95			29.96	FM-15	0.00	29.91
11	1156	7	FEW:02 90 SCT:04 200 BKN:07 280	10.00		83	28.3	80	26.9	30	-1.1	15	7	190		29.93			29.94	FM-15	0.00	29.89
11	1256	7	FEW:02 90 SCT:04 280	10.00		87	30.6	86	29.7	32	0.0	14	28	260		29.91	8	+0.06	29.92	FM-15	Т	29.87
11	1356	7	FEW:02 90 FEW:02 200 SCT:04 280	10.00	100.00	85	29.4	79	26.2	38	3.3	19	30	260		29.91			29.91	FM-15	0.00	29.87
11	1456	7	FEW:02 280	5.00	DU:5   DU:07	82	27.8	75	23.6	39	3.9	22	31	260	38	29.91			29.92	FM-15	0.00	29.87
11	1556	7	FEW:02 100 FEW:02 280	10.00	to a 1000 continue	79	26.1	71	21.5	39	3.9	24	30	270	39	29.88	8	+0.04	29.88	FM-15	Т	29.84
11	1656	7	FEW:02 100 FEW:02 280	10.00		74	23.3	65	18.4	38	3.3	27	34	260	44	29.89			29.90	FM-15	0.00	29.85
11	1756	7	FEW:02 100 FEW:02 280	10.00	V (1) (1) (1)	70	21.1	61	15.9	41	5.0	35	14	260		29.91			29.91	FM-15	0.00	29.87
11	1856	7	CLR:00	10.00	-RA:02  RA:61	67	19.4	58	14.4	42	5.6	41	37	250	44	29.96	3	-0.08	29.97	FM-15	T	29.92
11	1956	7	CLR:00	10.00		62	16.7	54	11.9	38	3.3	41	18	260		30.03			30.03	FM-15	T	29.99
11	2056	7	CLR:00	10.00		61	16.1	53	11.5	39	3.9	44	17	260		30.02			30.03	FM-15	T	29.98
11	2156	7	CLR:00	10.00		59	15.0	51	10.5	37	2.8	44	14	280		30.05	1	-0.09	30.05	FM-15	T	30.01
11	2256	7	CLR:00	10.00		58	14.4	50	10.1	37	2.8	46	14	270		30.05			30.05	FM-15	0.00	30.01
11	2356	7	CLR:00	10.00		57	13.9	49	9.6	36	2.2	45	7	280	1	30.05	I .		30.06	FM-15	0.00	30.01

FIGURE B-28
SHELTER VALLEY PRECIPITATION & HUMIDITY DATA

Shelter Valley (KCAJULIA25) Precipitation March 11-12, 2016. Source: Weather Underground Precip. Precip. Temperature 11-Mar **Point** Humidity Wind Speed Gust **Pressure** Rate. Accum. 12:24 AM 56.5°F 38.7 °F NNW 51 % 4 mph 4.9 mph 27.73 in 0 in 0 in 1:05 AM 56.1 °F 38.8 °F **52** % South 0 mph 0 mph 27.73 in **0** in **0** in 1:45 AM 54.3 °F 36.7 °F 51 % **ESE** 0 mph **0** in 0 mph 27.7 in 0 in 2:26 AM 54.5 °F 35.8 °F 49 % **ESE** 1.3 mph 2.5 mph 27.69 in **0** in **0** in 3:06 AM 52.5 °F 36.3 °F **54** % **ENE 27.68** in 0 mph dam 0 **0** in **0** in 3:47 AM 52.9 °F 37.2 °F **55** % SSW 0 mph 0 mph 27.68 in **0** in **0** in 4:28 AM 55.4 °F 39 °F 54 % SSE 0 mph 0 mph **27.67** in 0 in **0** in **58.3** °F 36.5 °F 5:08 AM 44 % West 4.9 mph 4.9 mph **27.67** in **0** in **0** in **56.3** °F 5:49 AM 42.3 °F **59** % SSW 0 mph 0 mph **27.67** in **0** in **0** in **51.1** °F 6:29 AM 39.7 °F 65 % SE 0 mph 0 mph 27.68 in **0** in **0** in 0 mph 7:10 AM 50.9 °F 39.9 °F 66 % SW 0 mph 27.68 in **0** in **0** in 56.3 °F 39 °F SSW 7:50 AM 52 % 0 mph 0 mph 27.68 in **0** in **0** in **62.1** °F 8:31 AM 37.6 °F 40 % **ESE 0.2** mph 2.5 mph **27.69** in **0** in **0** in 9:11 AM 66.9 °F 33.6 °F ENE 29 % **0.2** mph **2.5** mph 27.68 in **0** in **0** in **70.5** °F 30.9 °F 9:52 AM 23 % West **7.2** mph 9.8 mph 27.69 in **0** in **0** in **69.3** °F 10:16 AM 37.4 °F wsw 31 % 4.5 mph 4.9 mph **27.7** in 0 in **0** in 10:45 AM 68.2 °F 38.1 °F 33 % West 12.3 mph **15** mph **27.7** in **0** in **0** in **68.7** °F 11:18 AM 37.8 °F SSW 27.69 in 32 % **9.6** mph **15** mph **0** in **0** in **68.2** °F 12:03 PM 45 °F 43 % West 9.8 mph 12.3 mph **27.69** in **0** in **0** in **65.5** °F 44.8 °F 12:44 PM 47 % **WNW 7.4** mph **7.4** mph **27.66** in **0** in **0** in 1:24 PM 66.2 °F 43.2 °F SW **11.2** mph **12.3** mph 43 % 27.68 in **0** in **0** in 46.6 °F WNW **9.8** mph 2:05 PM 63 °F 55 % **8.9** mph 27.66 in **0** in **0** in 2:45 PM 64.6 °F 42.3 °F SW **27.62** in 44 % 4.9 mph **7.4** mph **0** in **0** in **65.7** °F 3:26 PM 39.4 °F NW 38 % 17.5 mph 12.3 mph 27.62 in 0 in 0 in 4:07 PM 62.6 °F 44.2 °F 51 % **WSW** 6 mph **7.4** mph **27.6** in **0** in **0** in 47.3 °F 4:58 PM 59 °F South **5.6** mph 27.57 in 65 % **7.4** mph **0** in **0** in 5:44 PM **50.7** °F 47.7 °F West 10.5 mph 12.3 mph **27.64** in **0.07** in **0.04** in 89 % 43.2 °F 6:34 PM 46.6 °F West **27.65** in **0.07** in 88 % 8.1 mph **15** mph **0.12** in 7:15 PM 47.5 °F 43.9 °F 87 % SW 14.5 mph 17.5 mph **27.65** in 0.17 in **0** in **42.3** °F 7:55 PM 46.8 °F West 27.68 in 84 % **6.7** mph 9.8 mph 0.24 in **0** in 8:36 PM 47.7 °F 41.9 °F 80 % West **1.3** mph 2.5 mph 27.69 in **0** in **0.24** in 9:21 PM 47.5 °F 39.6 °F **74** % wsw 0.24 in **1.3** mph 2.5 mph 27.7 in **0** in 10:02 PM 47.5 °F 40.3 °F 76 % NW **0.4** mph 2.5 mph 27.7 in **0** in 0.24 in 10:42 PM 46.9 °F 40.8 °F wsw **9.8** mph 79 % **9.2** mph 0.07 in **0.25** in 27.73 in **48** °F 11:23 PM 39.7 °F 73 % SW 12.3 mph 17.5 mph 27.72 in **0** in **0.25** in 12:09 AM 46.4 °F 36.1 °F 67 % **WSW 10.3** mph **17.5** mph **27.69** in 0 in **0** in 35.1 °F 12:54 AM 46.6 °F 64 % **WSW 7.4** mph 9.8 mph 27.7 in **0** in **0** in 1:35 AM 46.2 °F 37 °F 70 % **WSW 15.9** mph **17.5** mph 27.66 in **0** in **0** in **38.7** °F 46 °F 2:15 AM **75** % West 11.4 mph 12.3 mph 27.65 in **0** in **0** in **46.2** °F 2:56 AM 37 °F **70** % West **8.1** mph **9.8** mph **27.67** in **0** in **0** in 3:36 AM 45.9 °F 37.4 °F WNW **72** % **13.9** mph **15** mph **27.7** in **0** in **0** in **12.3** mph 4:17 AM 45.7 °F 37.6 °F 73 % WNW **10.3** mph 27.71 in **0** in **0** in 45.5 °F 4:57 AM **37** °F 72 % West 10.3 mph 17.5 mph 27.7 in **0** in **0** in **45.9** °F 37.4 °F 5:43 AM 72 % West **12.8** mph **15** mph **27.7** in **0** in **0** in 34.3 °F WNW 6:23 AM 46.2 °F 63 % 15.9 mph 22.4 mph **27.71** in **0** in **0** in 49.1 °F 35.4 °F NNW 7:09 AM **59** % **17.5** mph **22.4** mph 27.73 in **0** in **0** in **49.1** °F **36.7** °F 7:50 AM 62 % WNW 11.2 mph 12.3 mph 27.76 in 0 in **0** in **50.2** °F 38.5 °F WNW **13.9** mph 8:30 AM 64 % **17.5** mph 27.79 in **0** in **0** in 9:11 AM **51.4** °F **38.5** °F WNW 61 % 16.5 mph 19.9 mph **27.8** in **0** in **0** in **52.7** °F **39.2** °F WNW 9:51 AM 60 % 12.3 mph 19.9 mph **27.8** in 0 in **0** in **54.5** °F 40.1 °F SW 10:37 AM 58 % **11.4** mph **15** mph 27.79 in **0** in **0** in 11:18 AM **56.5** °F 39 °F NW **17.7** mph 52 % 22.4 mph **27.8** in **0** in **0** in 57.9 °F **40.5** °F 11:58 AM 52 % WNW 15.4 mph 19.9 mph 27.78 in **0** in **0** in 12:39 PM 59.4 °F 41.7 °F West **52** % **8.3** mph 9.8 mph 27.78 in **0** in **0** in **59.2** °F **42.1** °F 1:24 PM West **17.5** mph 53 % **15.2** mph 27.77 in **0** in **0** in 2:05 PM 58.3 °F 42.6 °F 56 % West **15** mph 19.9 mph 27.77 in **0** in **0** in **57.6** °F **42.4** °F 2:45 PM 57 % NW 11.9 mph **17.5** mph **27.78** in **0** in **0** in **58.3** °F 40.3 °F West 3:31 PM 51 % **7.4** mph 9.8 mph 27.78 in 0 in **0** in **58.1** °F **41.2** °F 4:12 PM 53 % SW **12.8** mph **17.5** mph 27.76 in **0** in **0** in 4:52 PM 56.5 °F 41.9 °F West 58 % **13** mph **15** mph **27.77** in **0** in **0** in 5:33 PM 54.5 °F 40.5 °F 59 % WNW **20.8** mph 24.8 mph 27.76 in **0** in **0** in 6:13 PM 53.1 °F 39.6 °F 60 % NW **16.8** mph **22.4** mph 27.77 in **0** in **0** in **14.3** mph 7:04 PM 51.8 °F 40.5 °F **WNW** 65 % **17.5** mph 27.78 in **0** in **0** in 7:44 PM 50.5 °F 40.1 °F 67 % West 11.9 mph 15 mph 27.78 in **0** in **0** in

		Dew						Precip.	Precip.
12-Mar	Temperature	Point	Humidity	Wind	Speed	Gust	Pressure	Rate.	Accum.
8:30 PM	<b>50</b> °Ė	39.9 °F	68 %	WNW	<b>12.3</b> mph	<b>15</b> mph	<b>27.78</b> in	<b>0</b> in	<b>0</b> in
9:10 PM	<b>48.7</b> °F	<b>39.7</b> °F	<b>71</b> %	West	<b>12.3</b> mph	<b>15</b> mph	<b>27.77</b> in	<b>0</b> in	<b>0</b> in
9:51 PM	<b>49.3</b> °F	<b>38.5</b> °F	<b>66</b> %	WNW	<b>10.3</b> mph	<b>12.3</b> mph	<b>27.78</b> in	<b>0</b> in	<b>0</b> in
10:32 PM	<b>49.8</b> °F	<b>39.4</b> °F	<b>67</b> %	West	<b>12.8</b> mph	<b>17.5</b> mph	<b>27.78</b> in	<b>0</b> in	<b>0</b> in
11:12 PM	<b>50</b> °F	39.9 °F	<b>68</b> %	WNW	<b>17</b> mph	<b>19.9</b> mph	<b>27.78</b> in	<b>0</b> in	<b>0</b> in
11:53 PM	<b>49.8</b> °F	<b>39.7</b> °F	<b>68</b> %	West	<b>13.6</b> mph	<b>17.5</b> mph	<b>27.78</b> in	<b>0</b> in	<b>0</b> in

FIGURE B-29
BORREGO DRY CANYON PRECIPITATION & HUMIDITY DATA

Borrego Dry Canyon (KCABORRE12) Precipitation March 11-12, 2016. Source: Weather Underground Dew Precip. Precip. 11-Mar **Temperature Point** Humidiy Wind Speed Gust Pressure Rate. Accum. 12:42 AM 71.1 °F 35.4 °F SW 2.9 mph 4.9 mph 29.93 in **0** in 27 % 0 in 68.2 °F 36.5 °F SW 1:22 AM 31 % 1.8 mph 2.5 mph 29.92 in **0** in 0 in 2:03 AM 66.2 °F 36.3 °F 33 % SW 3.6 mph 4.9 mph **29.91** in **0** in **0** in **1.8** mph **2.5** mph 2:44 AM 66 °F 39 °F 37 % **WSW 29.9** in **0** in **0** in **66.7** °F NNW 3:25 AM 34.3 °F 30 % 1.3 mph 2.5 mph 29.88 in **0** in **0** in 4:06 AM 67.1 °F **37** °F 33 % South 0 mph 29.89 in **0** in **0** in 0 mph **34.2** °F 65.5 °F 4:47 AM 31 % West **1.1** mph 2.5 mph 29.88 in **0** in **0** in **65.7** °F 5:27 AM 35.8 °F 33 % SSW 0 mph 0 mph 29.89 in **0** in **0** in **35.8** °F 6:13 AM 64.8 °F 34 % **WSW** 2.7 mph 4.9 mph **29.9** in **0** in **0** in 6:54 AM 66.9 °F 30.9 °F 26 % SSW 29.91 in **0** in 0 mph 0 mph 0 in **69.1** °F **34.7** °F 7:34 AM 28 % **ESE 0.4** mph 2.5 mph 29.91 in **0** in **0** in 8:15 AM 70.9 °F 31.3 °F 23 % South 0 mph 0 mph **29.92** in **0** in **0** in **21.4** °F 9:10 AM 12.3 mph 75.6 °F 13 % SSW **11.4** mph 29.91 in **0** in 0 in 9:50 AM 77.7 °F 21.2 °F 12 % SSW 2 mph 2.5 mph 29.91 in **0** in **0** in **78.1** °F wsw 19.4 °F **29.91** in 10:26 AM 11 % 4.3 mph 4.9 mph **0** in **0** in **77** °F 35.2 °F **WSW** 10:45 AM 22 % 12.8 mph **15** mph **29.91** in **0** in **0** in **76.5** °F **32.5** °F SW 11:10 AM 20 % **17.7** mph **19.9** mph **29.91** in **0** in **0** in **77.5** °F wsw 11:51 AM 35.8 °F 22 % 17.4 mph 19.9 mph **29.9** in **0** in **0** in **75.4** °F 43.5 °F 13.4 mph 12:31 PM 32 % South 15 mph 29.91 in **0** in 0 in **74.1** °F **37** °F **WSW 16.1** mph 1:22 PM 26 % 19.9 mph 29.91 in **0** in **0** in **45.1** °F **71.4** °F NNW 2:07 PM **8.1** mph 9.8 mph 29.91 in 39 % **0** in **0** in 2:48 PM 71.4 °F 40.8 °F 33 % SW 13.9 mph **15** mph **29.87** in **0** in **0** in **70.7** °F **40.3** °F SW 3:29 PM 33 % **17** mph 19.9 mph **29.86** in **0** in **0** in 4:09 PM **68.7** °F **44.1** °F 41 % SW 13.6 mph **17.4** mph **29.85** in **0** in **0** in **66** °F 4:55 PM 48 °F 52 % SF 13.4 mph 17.4 mph 29.83 in **0** in **0** in 5:51 PM 59.7 °F 50.4 °F 71 % SW 24.6 mph 29.87 in 27.5 mph **0** in **0** in **55.4** °F **0.01** in SW 6:31 PM 45.5 °F 69 % 9.6 mph 12.3 mph 29.93 in 0 in 7:12 PM **56.7** °F 43.3 °F 61 % SW 10.5 mph **15** mph 29.93 in 0 in **0.02** in 7:58 PM **56.3** °F 43.9 °F SW **29.96** in **0** in 63 % 11.9 mph 12.3 mph 0.02 in 8:38 PM 55.4 °F 45 °F 68 % SSW **5.8** mph **7.4** mph **29.96** in **0.04** in **0** in **56.3** °F **17.4** mph **0.04** in 9:19 PM 44.2 °F 64 % SW 29 98 in **0** in 13.6 mph 9:59 PM 56.1 °F 45.7 °F 68 % SW 9.8 mph **12.3** mph **29.98** in **0** in **0.04** in **38.3** °F **WSW** 10:40 PM 54.5 °F **29.98** in **0** in **0.04** in 54 % 13.9 mph **15** mph 11:20 PM 55.2 °F 38.8 °F 54 % SW **12.8** mph **19.9** mph 29.97 in **0** in **0.04** in 54.3 °F 40.8 °F 60 % West **29.94** in 12:01 AM 8.1 mph 12.3 mph 0 in **0** in **36.7** °F 12:47 AM 55.4 °F 49 % NNE 13.4 mph 17.4 mph 29.95 in **0** in **0** in **5.8** mph 1.27 AM 55.4 °F 37 °F 50 % North 9.8 mph 29.94 in 0 in 0 in **33.6** °F 2:08 AM **57** °F 41 % NNE **6.7** mph **7.4** mph **29.93** in **0** in **0** in 2:54 AM **57.4** °F 31.3 °F 37 % South **12.8** mph 17.4 mph **29.93** in **0** in **0** in 3:34 AM 55.4 °F 35.1 °F 46 % SW **5.1** mph **7.4** mph 29.97 in **0** in **0** in 4:15 AM 52.9 °F 34.7 °F 50 % **ENE** 2.5 mph 29.98 in **0** in **0** in **1.1** mph **36.1** °F 4:55 AM 53.2 °F 52 % **ENE** 8.3 mph 9.8 mph 29.98 in **0** in **0** in **53.1** °F 5:41 AM 36.5 °F 53 % SE **0.2** mph 2.5 mph **30** in **0** in **0** in 36.3 °F 6:22 AM 51.1 °F 57 % SSW **5.6** mph **7.4** mph 29.99 in **0** in **0** in **37.6** °F NNW **4.9** mph 7:02 AM 54.9 °F **52** % **2.9** mph **30** in **0** in **0** in **56.1** °F **37.8** °F SW **30.01** in 7:43 AM 50 % 18.6 mph 22.4 mph **0** in **0** in **56.7** °F SSW 8:23 AM 37.8 °F 49 % 26.8 mph **30** mph **30.02** in **0** in **0** in **58.1** °F SW 9:04 AM 37.4 °F 46 % 36.2 mph 42.5 mph **30.02** in **0** in **0** in **59.9** °F **38.5** °F SW 9:44 AM 45 % 26.4 mph **34.9** mph **30.06** in **0** in **0** in

**8.9** mph

**12.3** mph

30.05 in

**0** in

**0** in

SSW

36 °F

36 %

63.3 °F

10:25 AM

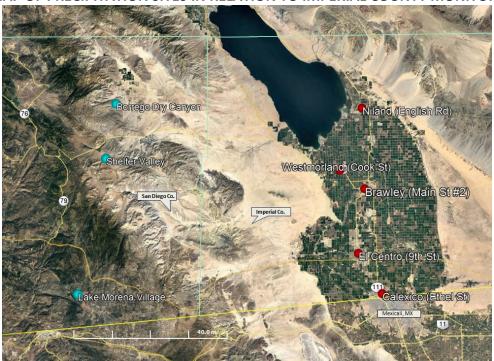
12-Mar	Temperature	Dew Point	Humidiy	Wind	Speed	Gust	Pressure	Precip. Rate.	Precip. Accum.
11:06 AM	67.6 °F	35.1 °F	30 %	SSW	<b>4.9</b> mph	<b>7.4</b> mph	<b>30.05</b> in	0 in	0 in
11:46 AM	67.6 °F	<b>32.5</b> °F	27 %	SE	<b>1.3</b> mph	<b>2.5</b> mph	<b>30.05</b> in	<b>0</b> in	<b>0</b> in
12:27 PM	<b>70</b> °F	34.5 °F	27 %	ESE	6 mph	<b>7.4</b> mph	<b>30.03</b> in	<b>0</b> in	<b>0</b> in
1:08 PM	<b>70.9</b> °F	38.8 °F	31 %	South	<b>7.2</b> mph	<b>9.8</b> mph	<b>30.01</b> in	<b>0</b> in	<b>0</b> in
1:48 PM	<b>70.9</b> °F	<b>40.5</b> °F	<b>33</b> %	SSW	<b>10.5</b> mph	<b>12.3</b> mph	<b>30</b> in	<b>0</b> in	<b>0</b> in
2:32 PM	<b>70.7</b> °F	<b>39.4</b> °F	<b>32</b> %	SW	<b>22.1</b> mph	<b>27.5</b> mph	<b>30</b> in	<b>0</b> in	<b>0</b> in
3:08 PM	<b>69.3</b> °F	41.9 °F	<b>37</b> %	South	<b>16.8</b> mph	<b>19.9</b> mph	<b>30.01</b> in	<b>0</b> in	<b>0</b> in
3:49 PM	<b>69.8</b> °F	41.7 °F	<b>36</b> %	SSE	<b>10.5</b> mph	<b>15</b> mph	<b>30</b> in	<b>0</b> in	<b>0</b> in
4:30 PM	<b>69.3</b> °F	<b>39.7</b> °F	<b>34</b> %	South	<b>5.6</b> mph	<b>7.4</b> mph	<b>30.01</b> in	<b>0</b> in	<b>0</b> in
5:10 PM	67.3 °F	41.5 °F	<b>39</b> %	South	<b>8.9</b> mph	<b>9.8</b> mph	<b>30.01</b> in	<b>0</b> in	<b>0</b> in
5:51 PM	<b>63.5</b> °F	<b>42.4</b> °F	<b>46</b> %	SW	<b>17</b> mph	<b>19.9</b> mph	<b>30.01</b> in	<b>0</b> in	<b>0</b> in
6:32 PM	<b>62.2</b> °F	<b>42.3</b> °F	48 %	South	<b>5.1</b> mph	<b>7.4</b> mph	<b>30.03</b> in	<b>0</b> in	<b>0</b> in
7:12 PM	61.5 °F	41.2 °F	<b>47</b> %	SSW	<b>10.5</b> mph	<b>15</b> mph	<b>30.02</b> in	<b>0</b> in	<b>0</b> in
7:53 PM	61.2 °F	41.4 °F	<b>48</b> %	SSW	<b>8.7</b> mph	<b>9.8</b> mph	<b>30.03</b> in	<b>0</b> in	<b>0</b> in
8:43 PM	<b>60.4</b> °F	<b>40.1</b> °F	<b>47</b> %	SW	<b>5.1</b> mph	<b>7.4</b> mph	<b>30.04</b> in	<b>0</b> in	<b>0</b> in
9:24 PM	<b>60.1</b> °F	<b>40.8</b> °F	<b>49</b> %	SW	<b>2.9</b> mph	<b>4.9</b> mph	<b>30.05</b> in	<b>0</b> in	<b>0</b> in
10:05 PM	<b>58.6</b> °F	<b>40.6</b> °F	<b>51</b> %	SW	<b>4.5</b> mph	<b>7.4</b> mph	<b>30.06</b> in	<b>0</b> in	<b>0</b> in
10:45 PM	<b>59.2</b> °F	41.5 °F	<b>52</b> %	wsw	<b>1.1</b> mph	<b>2.5</b> mph	<b>30.06</b> in	<b>0</b> in	<b>0</b> in
11:26 PM	<b>56.1</b> °F	<b>39.2</b> °F	<b>53</b> %	NW	<b>0</b> mph	<b>0</b> mph	<b>30.04</b> in	<b>0</b> in	<b>0</b> in

FIGURE B-30
LAKE MORENA VILLAGE PRECIPITATION & HUMIDITY DATA

11-Mar	Temperature	Dew Point	Humidity	Wind	Speed	Gust	Pressure	Precip. Rate.	Precip. Accum
12:27 AM	41.5 °F	41.4 °F	99 %	SE	0 mph	0 mph	29.48 in	0 in	0 in
1:07 AM	41 °F	40.8 °F	99 %	SE	0 mph	0 mph	<b>29.48</b> in	<b>0</b> in	<b>0</b> in
1:53 AM	39.6 °F	39.4 °F	99 %	SE	0 mph	<b>0</b> mph	<b>29.47</b> in	<b>0</b> in	<b>0</b> in
2:33 AM	38.8 °F	38.7 °F	99 %	SE	<b>0</b> mph	<b>0</b> mph	<b>29.45</b> in	<b>0</b> in	<b>0</b> in
3:19 AM	<b>38.5</b> °F	38.3 °F	99 %	SE	<b>0</b> mph	<b>0</b> mph	<b>29.44</b> in	<b>0</b> in	<b>0</b> in
4:00 AM	<b>39</b> °F	<b>38.8</b> °F	99 %	SE	<b>0</b> mph	<b>0</b> mph	<b>29.45</b> in	<b>0</b> in	<b>0</b> in
4:40 AM	<b>38.7</b> °F	<b>38.5</b> °F	99 %	SE	<b>0</b> mph	<b>0</b> mph	<b>29.44</b> in	<b>0</b> in	<b>0</b> in
5:21 AM	<b>38.3</b> °F	38.1 °F	99 %	SE	<b>0</b> mph	<b>0</b> mph	<b>29.43</b> in	<b>0</b> in	<b>0</b> in
6:01 AM	37.9 °F	<b>37.8</b> °F	<b>99</b> %	SE	<b>0</b> mph	<b>0</b> mph	<b>29.44</b> in	<b>0</b> in	<b>0</b> in
6:42 AM	<b>38.7</b> °F	<b>38.5</b> °F	<b>99</b> %	SE	<b>0</b> mph	<b>0</b> mph	<b>29.45</b> in	<b>0</b> in	<b>0</b> in
7:27 AM	<b>42.4</b> °F	<b>41.9</b> °F	98 %	SE	<b>0</b> mph	<b>0</b> mph	<b>29.46</b> in	<b>0</b> in	<b>0</b> in
B:12 AM	<b>49.1</b> °F	<b>40.5</b> °F	<b>72</b> %	NNE	<b>0</b> mph	<b>0</b> mph	<b>29.47</b> in	<b>0</b> in	<b>0</b> in
B:56 AM	<b>57.6</b> °F	<b>42.4</b> °F	<b>57</b> %	North	<b>0</b> mph	<b>0</b> mph	<b>29.46</b> in	<b>0</b> in	<b>0</b> in
9:37 AM	<b>63</b> °F	41.9 °F	46 %	WNW	<b>0</b> mph	<b>0</b> mph	<b>29.46</b> in	<b>0</b> in	<b>0</b> in
10:08 AM	<b>63.7</b> °F	<b>43.7</b> °F	48 %	West	<b>1.3</b> mph	<b>2.5</b> mph	<b>29.46</b> in	<b>0</b> in	<b>0</b> in
10:39 AM	<b>63</b> °F	<b>40.8</b> °F	44 %	West	<b>0.4</b> mph	<b>2.5</b> mph	<b>29.46</b> in	<b>0</b> in	<b>0</b> in
10:56 AM	<b>63.3</b> °F	<b>45.5</b> °F	<b>52</b> %	West	<b>0</b> mph	<b>0</b> mph	<b>29.46</b> in	<b>0</b> in	<b>0</b> in
11:43 AM	<b>62.6</b> °F	<b>48.6</b> °F	<b>60</b> %	NNW	<b>0.4</b> mph	<b>2.5</b> mph	<b>29.45</b> in	<b>0</b> in	<b>0</b> in
12:24 PM	<b>60.3</b> °F	44.6 °F	<b>56</b> %	WSW	<b>3.4</b> mph	<b>4.9</b> mph	<b>29.46</b> in	<b>0</b> in	<b>0</b> in
1:09 PM	<b>60.3</b> °F	47.7 °F	<b>63</b> %	WSW	<b>3.4</b> mph	<b>4.9</b> mph	<b>29.43</b> in	<b>0</b> in	<b>0</b> in
1:52 PM	<b>57.9</b> °F	<b>46.6</b> °F	<b>66</b> %	West	<b>4.9</b> mph	<b>4.9</b> mph	<b>29.43</b> in	<b>0</b> in	<b>0</b> in
2:32 PM	57.9 °F	45.9 °F	64 %	West	<b>1.8</b> mph	<b>2.5</b> mph	<b>29.41</b> in	<b>0</b> in	<b>0</b> in
3:13 PM	<b>57.4</b> °F	<b>42.8</b> °F	<b>58</b> %	SW	<b>2</b> mph	<b>2.5</b> mph	<b>29.4</b> in	<b>0</b> in	<b>0</b> in
3:53 PM	<b>54.7</b> °F	<b>46.2</b> °F	<b>73</b> %	SSW	<b>4.2</b> mph	<b>4.9</b> mph	<b>29.4</b> in	<b>0</b> in	<b>0</b> in
4:34 PM	<b>52.7</b> °F	49.6 °F	89 %	SSW	<b>4.2</b> mph	<b>4.9</b> mph	<b>29.38</b> in	<b>0</b> in	<b>0</b> in
5:19 PM	<b>50.5</b> °F	<b>50.4</b> °F	99 %	WSW	<b>5.1</b> mph	<b>7.4</b> mph	<b>29.35</b> in	<b>0.07</b> in	<b>0.02</b> in
6:05 PM	<b>45.3</b> °F	44.8 °F	98 %	WSW	6 mph	<b>7.4</b> mph	<b>29.39</b> in	<b>0</b> in	<b>0.05</b> in
7:01 PM	43.5 °F	<b>43</b> °F	98 %	West	6 mph	<b>7.4</b> mph	<b>29.4</b> in	<b>0</b> in	<b>0.07</b> in
7:46 PM	44.1 °F	43.5 °F	98 %	SW	6 mph	<b>7.4</b> mph	<b>29.41</b> in	<b>0</b> in	<b>0.08</b> in
B:30 PM	<b>43.7</b> °F	<b>43.2</b> °F	98 %	West	2 mph	<b>2.5</b> mph	<b>29.43</b> in	<b>0</b> in	<b>0.08</b> in
9:10 PM	43.5 °F	43 °F	98 %	West	4 mph	<b>4.9</b> mph	<b>29.43</b> in	<b>0</b> in	<b>0.08</b> in
9:51 PM	43.5 °F	43 °F	98 %	WSW	<b>2.5</b> mph	<b>4.9</b> mph	<b>29.46</b> in	<b>0</b> in	<b>0.08</b> in
10:32 PM	43.2 °F	42.6 °F	98 %	WSW	<b>2.7</b> mph	<b>4.9</b> mph	<b>29.48</b> in	<b>0</b> in	<b>0.08</b> in
11:12 PM	43 °F	42.4 °F	98 %	WSW	<b>1.8</b> mph	<b>2.5</b> mph	<b>29.48</b> in	<b>0</b> in	<b>0.08</b> in
11:53 PM	42.4 °F	42.3 °F	99 %	SSW	<b>0.9</b> mph	2.5 mph	<b>29.48</b> in	<b>0.07</b> in	0.00 in
12:33 AM	41.9 °F	41.7 °F	99 %	West	3.4 mph	<b>4.9</b> mph	29.47 in	<b>0.</b> 07 III	<b>0.11</b> in
1:15 AM	41.9 °F	41.7 °F	99 %	WNW	1.3 mph	<b>4.9</b> mph	<b>29.46</b> in	<b>0</b> in	0.01 in
1:56 AM	41.9 °F	41.7 °F	99 %	West	1.3 mph	2.5 mph	29.47 in	<b>0</b> in	0.01 in
2:41 AM	41.5 °F	41.7 °F	99 %	SSW	<b>0.9</b> mph	2.5 mph	29.47 in	<b>0</b> in	0.01 in
3:22 AM	41.7 °F	41.4 F 41.5 °F	99 % 99 %	East	<b>0.9</b> mph	2.5 mph	29.47 in	<b>0</b> in	<b>0.01</b> in
3.22 AIVI 4:12 AM	41.7 F 41.9 °F	41.7 °F	99 % 99 %	West	<b>0.9</b> mph	2.5 mph	29.47 in	<b>0</b> in	0.01 in

		Dew						Precip.	Precip.
11-Mar	Temperature	Point	Humidity	Wind	Speed	Gust	Pressure	Rate.	Accum.
4:53 AM	41.5 °F	41.4 °F	99 %	West	<b>4.2</b> mph	<b>4.9</b> mph	<b>29.47</b> in	<b>0</b> in	<b>0.01</b> in
5:33 AM	41.7 °F	41.5 °F	99 %	WSW	<b>0</b> mph	<b>0</b> mph	<b>29.49</b> in	<b>0</b> in	<b>0.01</b> in
6:14 AM	41.7 °F	<b>41.2</b> °F	98 %	West	<b>0</b> mph	0 mph	<b>29.5</b> in	<b>0</b> in	<b>0.01</b> in
6:54 AM	<b>42.1</b> °F	40.5 °F	94 %	WNW	<b>1.1</b> mph	<b>2.5</b> mph	<b>29.5</b> in	<b>0</b> in	<b>0.01</b> in
7:40 AM	<b>44.1</b> °F	41.4 °F	90 %	West	<b>0.4</b> mph	<b>2.5</b> mph	<b>29.53</b> in	<b>0</b> in	<b>0.01</b> in
8:26 AM	<b>45.9</b> °F	<b>40.6</b> °F	<b>82</b> %	West	<b>1.3</b> mph	<b>2.5</b> mph	<b>29.55</b> in	<b>0</b> in	<b>0.01</b> in
9:11 AM	<b>46.9</b> °F	<b>39.7</b> °F	<b>76</b> %	WNW	<b>0.2</b> mph	<b>2.5</b> mph	<b>29.58</b> in	<b>0</b> in	<b>0.01</b> in
9:52 AM	<b>50.4</b> °F	41.4 °F	<b>71</b> %	West	<b>2.9</b> mph	<b>4.9</b> mph	<b>29.57</b> in	<b>0</b> in	<b>0.01</b> in
10:38 AM	51.3 °F	41.5 °F	<b>69</b> %	WNW	<b>3.4</b> mph	<b>4.9</b> mph	<b>29.57</b> in	<b>0</b> in	<b>0.01</b> in
11:23 AM	<b>52.2</b> °F	<b>42.6</b> °F	<b>70</b> %	SSW	<b>4.9</b> mph	<b>7.4</b> mph	<b>29.55</b> in	<b>0</b> in	<b>0.01</b> in
12:04 PM	<b>52.9</b> °F	<b>43</b> °F	<b>69</b> %	WSW	<b>4.2</b> mph	<b>4.9</b> mph	<b>29.55</b> in	<b>0</b> in	<b>0.01</b> in
12:44 PM	<b>54.9</b> °F	43.3 °F	<b>65</b> %	SW	<b>1.1</b> mph	<b>2.5</b> mph	<b>29.54</b> in	<b>0</b> in	<b>0.01</b> in
1:25 PM	<b>54.1</b> °F	<b>44.2</b> °F	<b>69</b> %	SW	<b>2.5</b> mph	<b>4.9</b> mph	<b>29.53</b> in	<b>0</b> in	<b>0.01</b> in
2:21 PM	<b>52.2</b> °F	44.2 °F	<b>74</b> %	WNW	<b>0.9</b> mph	<b>2.5</b> mph	<b>29.54</b> in	<b>0</b> in	<b>0.01</b> in
3:01 PM	<b>52.5</b> °F	43.3 °F	<b>71</b> %	NW	<b>0</b> mph	<b>0</b> mph	<b>29.53</b> in	<b>0</b> in	<b>0.01</b> in
3:42 PM	<b>53.1</b> °F	43.9 °F	<b>71</b> %	NNW	<b>0</b> mph	<b>0</b> mph	<b>29.53</b> in	<b>0</b> in	<b>0.01</b> in
4:22 PM	<b>53.1</b> °F	43.5 °F	<b>70</b> %	WNW	<b>0.2</b> mph	<b>2.5</b> mph	<b>29.53</b> in	<b>0</b> in	<b>0.01</b> in
5:03 PM	<b>51.6</b> °F	43.3 °F	<b>73</b> %	WSW	<b>4</b> mph	<b>4.9</b> mph	<b>29.54</b> in	<b>0</b> in	<b>0.01</b> in
5:43 PM	<b>49.3</b> °F	<b>45</b> °F	<b>85</b> %	West	<b>0</b> mph	<b>0</b> mph	<b>29.54</b> in	<b>0</b> in	<b>0.01</b> in
6:29 PM	<b>46</b> °F	44.1 °F	93 %	West	<b>0.2</b> mph	<b>2.5</b> mph	<b>29.55</b> in	<b>0</b> in	<b>0.01</b> in
7:09 PM	<b>45.3</b> °F	43.7 °F	94 %	West	<b>0.2</b> mph	<b>2.5</b> mph	<b>29.56</b> in	<b>0</b> in	<b>0.01</b> in
7:55 PM	<b>44.2</b> °F	43.7 °F	98 %	West	<b>0</b> mph	<b>0</b> mph	<b>29.56</b> in	<b>0</b> in	<b>0.01</b> in
8:36 PM	<b>42.6</b> °F	<b>42.4</b> °F	99 %	West	<b>0</b> mph	<b>0</b> mph	<b>29.56</b> in	<b>0</b> in	<b>0.01</b> in
9:16 PM	41.4 °F	41.2 °F	99 %	WNW	<b>0</b> mph	<b>0</b> mph	<b>29.56</b> in	<b>0</b> in	<b>0.01</b> in
9:57 PM	<b>40.3</b> °F	40.1 °F	99 %	West	<b>0</b> mph	<b>0</b> mph	<b>29.57</b> in	<b>0</b> in	<b>0.01</b> in
10:37 PM	41.4 °F	41.2 °F	99 %	NNW	<b>0</b> mph	<b>0</b> mph	<b>29.58</b> in	<b>0</b> in	<b>0.01</b> in
11:18 PM	<b>42.3</b> °F	41.7 °F	98 %	WNW	<b>0</b> mph	<b>0</b> mph	<b>29.56</b> in	<b>0</b> in	<b>0</b> in

FIGURE B-31
MAP OF PRECIPITATION SITES IN RELATION TO IMPERIAL COUNTY MONITORS



**Fig B-31:** Several sites in the San Diego County Mountain reported precipitation and/or increased humidity levels late on March 11, 2016. The increased moisture prevented a non-exceedance on March 12, 2016 even though winds remained gusty. Base map from Google Earth. Data from above tables from the Weather Underground